



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 02 25 7258

TS 7617 EPC

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X,D	WO 00 20535 A (DANCUART LUIS PABLO ;WET EWALD WATERMEYER DE (ZA); HAAN ROBERT DE) 13 April 2000 (2000-04-13)	1,9,10	C10L1/02 C10L1/18
Y	* page 14, line 5 - page 15, line 5 *	1-10	
X	US 5 689 031 A (BERLOWITZ PAUL JOSEPH ET AL) 18 November 1997 (1997-11-18)	1,9,10	
Y	* column 1, line 37 - line 41; claim 1 *	1-10	
X	US 5 324 335 A (YAKOBSON DENNIS L ET AL) 28 June 1994 (1994-06-28)	1,9,10	
A	* column 15, line 10 - column 18, line 7 *	1-10	
Y	DE 43 08 053 A (VEBA OEL AG) 15 September 1994 (1994-09-15)	1,2,9,10	
	* page 2, line 45 - line 47 *		
	* page 3, line 31 - line 33 *		
	* claim 11; examples *		
Y	US 2001/045054 A1 (CHILDRESS KENNETH H ET AL) 29 November 2001 (2001-11-29)	1,3-7,9,10	TECHNICAL FIELDS SEARCHED (Int.Cl.7)
	* paragraphs [0021],[0023],[0026] *		C10L
Y	DE 683 927 C (RUHRCHEMIE AKT GES) 18 November 1939 (1939-11-18)	1,3-7,9,10	
	* the whole document *		
Y	WO 01 07540 A (EXXON CHEMICAL PATENTS INC) 1 February 2001 (2001-02-01)	1-3,5,6,9,10	
	* claim 18 *		
Y	US 6 056 793 A (SUPPES GALEN J) 2 May 2000 (2000-05-02)	1,3,5,6,8-10	
	* column 6, line 8 - line 23 *		
	* column 8, line 27 - column 9, line 4 *		
	* examples 1,2; tables 1-3 *		

	-/--		
The present search report has been drawn up for all claims			

2

EPO FORM 1503 03.82 (P04C01)

Place of search MUNICH	Date of completion of the search 28 March 2003	Examiner Keipert, 0
CATEGORY OF CITED DOCUMENTS		
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		
T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document		



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
Y,D	WO 01 83406 A (EXXONMOBIL RES & ENG CO) 8 November 2001 (2001-11-08) * page 9 - page 16 * -----	1,3,5,6, 8-10	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 28 March 2003	Examiner Keipert, 0
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

2

EPO FORM 1503 03.82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 02 25 7258

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

28-03-2003

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
WO 0020535	A	13-04-2000	AU	6300199 A	26-04-2000
			EP	1129155 A1	05-09-2001
			JP	2002526637 T	20-08-2002
			WO	0020535 A1	13-04-2000

US 5689031	A	18-11-1997	AU	706475 B2	17-06-1999
			AU	7366196 A	07-05-1997
			BR	9611088 A	13-07-1999
			CA	2226978 A1	24-04-1997
			CN	1200140 A ,B	25-11-1998
			EP	1270706 A1	02-01-2003
			EP	0861311 A1	02-09-1998
			HK	1016636 A1	02-08-2002
			JP	11513729 T	24-11-1999
			NO	981711 A	04-06-1998
			RU	2160764 C2	20-12-2000
			TW	462985 B	11-11-2001
			WO	9714768 A1	24-04-1997
			ZA	9608337 A	13-05-1997

US 5324335	A	28-06-1994	WO	9520558 A1	03-08-1995
			AU	6028894 A	15-08-1995
			US	5504118 A	02-04-1996
			US	5645613 A	08-07-1997
			US	5621155 A	15-04-1997
			US	5506272 A	09-04-1996
			US	5543437 A	06-08-1996
			US	5500449 A	19-03-1996
			US	5620670 A	15-04-1997
			US	5763716 A	09-06-1998
			AU	697448 B2	08-10-1998

DE 4308053	A	15-09-1994	DE	4308053 A1	15-09-1994
			WO	9421753 A1	29-09-1994

US 2001045054	A1	29-11-2001	AU	3998301 A	12-09-2001
			WO	0164817 A2	07-09-2001

DE 683927	C	18-11-1939	NONE		

WO 0107540	A	01-02-2001	AU	6360900 A	13-02-2001
			WO	0107540 A2	01-02-2001

US 6056793	A	02-05-2000	AU	1280299 A	17-05-1999
			CA	2307725 A1	06-05-1999
			EP	1027409 A1	16-08-2000

EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 02 25 7258

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

28-03-2003

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 6056793	A		WO	9921943 A1	06-05-1999
<hr/>					
WO 0183406	A	08-11-2001	AU	7883801 A	12-11-2001
			NO	20025258 A	01-11-2002
			WO	0183406 A2	08-11-2001
<hr/>					

EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82